WHAT IS CLAIMED IS:

- 1. An electroplating solution for the deposition of silver; said solution comprising silver in the form of a complex of silver with hydantoin or a substituted hydantoin compound; said solution also comprising an excess of the hydantoin or substituted hydantoin compound, together with an effective quantity of a nonprecipitating electrolyte salt, and also an effective quantity of 2,2' dipyridyl for the purpose of obtaining a mirror-bright to brilliant deposit.
- 2. The electroplating solution of Claim 1, further comprising an effective quantity of a pyridine or substituted pyridine compound for the purpose of improving the overall brightness of the deposit obtained.
- 3. The electroplating solution of Claim 1 or 2, further comprising an effective quantity of surface-active material for the purpose of further improving the overall brightness and brilliance of the deposit obtained.
- 4. The electroplating solution of Claim 3, wherein the surface-active material is selected from the group consisting of Hamposyl C, Hamposyl L, Hamposyl O, Blancol, Blancol N, Rhodacal, and Rhodacal N.
- 5. The electroplating solution of Claims 1 or 2, wherein the pyridine or substituted pyridine compound is selected from the group consisting of nicotinamide, isonicotinamide, 2-aminopyridine, 3-aminopyridine, nicotinic acid and its salts, and isonicotinic acid and its salts.
- 6. The electroplating solution of Claim 4, wherein the surface-active material is selected from the group consisting of Hamposyl C, Hamposyl L, Hamposyl O, Blancol, Blancol N, Rhodacal, and Rhodacal N.

- 7. The electroplating solution of Claim 1 or 2, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 8. The electroplating solution of Claim 3, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 9. The electroplating solution of Claim 4, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 10. The electroplating solution of Claim 5, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 11. The electroplating solution of Claim 6, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 12. A process for the formation of a mirror-bright to brilliant electrodeposit of silver on a substrate comprising the step of:

electroplating said substrate in an electroplating solution,

said solution comprising silver in the form of a complex of silver with hydantoin or a substituted hydantoin compound;

said solution also comprising an excess of the hydantoin or substituted hydantoin compound, together with an effective quantity of a nonprecipitating electrolyte salt, and an effective quantity of 2,2' dipyridyl for the formation of a mirror-bright to brilliant deposit.

- 13. The process of Claim 12, wherein the electroplating solution further comprises an effective quantity of a pyridine or substituted pyridine compound for the purpose of improving the overall brightness of the deposit obtained.
- 14. The process of Claim 12 or 13, wherein the electroplating solution further comprises an effective quantity of surface-active material for the purpose of further improving the overall brightness and brilliance of the deposit obtained.
- 15. The process of Claim 14, wherein the surface-active material is selected from the group consisting of Hamposyl C, Hamposyl L, Hamposyl O, Blancol, Blancol N, Rhodacal, and Rhodacal N.
- 16. The process of Claim 13, wherein the pyridine or substituted pyridine compound is selected from the group consisting of nicotinamide, isonicotinamide, 2-aminopyridine, 3-aminopyridine, nicotinic acid and its salts, and isonicotinic acid and its salts.
- 17. The process of Claim 16, wherein the surface-active material is selected from the group consisting of Hamposyl C, Hamposyl L, Hamposyl O, Blancol, Blancol N, Rhodacal, and Rhodacal N.
- 18. The process of Claim 12 or 13, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 19. The process of Claim 14, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.

- 20. The electroplating solution of Claim 15, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 21. The electroplating solution of Claim 16, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.
- 22. The electroplating solution of Claim 17, wherein the nonprecipitating electrolyte salt is selected from the group consisting of the salts of sulfamic, hydrofluoric, nitric, fluoboric, glycolic, and lactic acids.